

ECE Department Scholar Team



A brain-computer interface (BCI) system is an instrument that converts brainwave information into a signal for controlling a device. In other words, a person uses thought to control something such as a cursor on a monitor or a prosthetic device. This scholar team will have a particular focus of building a BCI system for gaming. The group will first brainstorm on numerous gaming-type options then a system will be designed and built over a two semester period. Participants will have the opportunity to gain experience in acquiring and processing brainwave data, designing bioinstrumentation, creating printed circuit boards, and programming on a platform such as LabVIEW.

Interested? Contact Dr. Mark Schroeder (emailmjs@yahoo.com)